

**COMBINED DECLARATION AND
POWER OF ATTORNEY
IN ORIGINAL APPLICATION**

Attorney Docket No.

F40.12-0004

SPECIFICATION AND INVENTORSHIP IDENTIFICATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed, and for which a patent is sought, on the invention entitled METHOD FOR EQUALISATION IN RECEIVERS USING A COMBINATION OF MODULATION TECHNIQUES WITH MULTIPLE CARRIERS AND WITH MULTIPLE ACCESS BY CODE DIVISION the specification of which,

(check one) is attached hereto.

was filed on March 13, 2002 as Appln. No. 10/088,284.

and was amended on _____.

was described and claimed in PCT International Application No. PCT/FR00/02555 filed on 14 September 2000 and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known to me to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

PRIORITY CLAIM (35 U.S.C. § 119)

Prior Foreign Application(s)

I claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign application(s) for patent or inventor's certificate listed below, each of which is incorporated by reference in its entirety, , each of which is incorporated by reference in its entirety, and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Number	Country	Day/Month/Year Filed	Priority Claimed
99 11689	France	14 September 1999	Yes <input checked="" type="checkbox"/> No _____
99 15919	France	9 December 1999	Yes <input checked="" type="checkbox"/> No _____

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States Provisional Application(s) listed below, each of which is incorporated by reference in its entirety:

Number	Day/Month/Year Filed
_____	_____
_____	_____

PRIORITY CLAIM (35 U.S.C. § 120)

I claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below, each of which is incorporated by reference in its entirety. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Appln. No.	U.S. Appl. No. (if any under PCT)	Filing Date	Status
_____	_____	_____	_____

DECLARATION

I declare that all statements made herein that are of my own knowledge are true and that all statements that are made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I appoint the following attorneys and agents to prosecute the patent application identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution and revocation: Judson K. Champlin, Reg. No. 34,797; Joseph R. Kelly, Reg. No. 34,847; Nickolas E. Westman, Reg. No. 20,147; Steven M. Koehler, Reg. No. 36,188; David D. Brush, Reg. No. 34,557; John D. Veldhuis-Kroeze, Reg. No. 38,354; Deirdre Megley Kvale, Reg. No. 35,612; Theodore M. Magee, Reg. No. 39,758; Christopher R. Christenson, Reg. No. 42,413; Brian D. Kaul 41,885; Robert M. Angus, Reg. No. 24,383; Christopher L. Holt, Reg. No. 45,844; Alan G. Rego, Reg. No. 45,956; and David C. Bohn, Reg. No. 32,015.

I ratify all prior actions taken by Westman, Champlin & Kelly, P.A. or the attorneys and agents mentioned above in connection with the prosecution of the above-mentioned patent application.

DESIGNATION OF CORRESPONDENCE ADDRESS

Please address all correspondence and telephone calls to Robert M.
Angus in care of:

WESTMAN, CHAMPLIN & KELLY, P.A.
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Inventor: _____
(Signature)

Date: 17/6/2002

Inventor: Jean-François Helard
(Printed Name)

FRX

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Citizenship: France

P.O. Address: 5, rue Charles Demange, Rennes France, 35700

2-a

Inventor: 
(Signature)

Date: 17/06/02

Inventor: Jean-Yves Baudais
(Printed Name)

Residence: Rennes, France

Citizenship: France *FR*

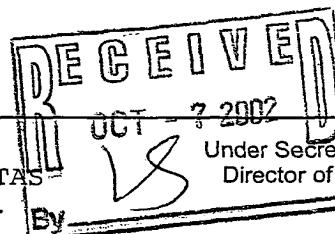
P.O. Address: 34, rue Vasselot, Rennes, France 35000



COPY

OCTOBER 01, 2002

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Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 2023
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/30/2002

REEL/FRAME: 013135/0899
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HELARD, JEAN-FRANCOIS

DOC DATE: 06/21/2002

ASSIGNOR:

BAUDAIS, JEAN-YVES

DOC DATE: 06/21/2002

ASSIGNEE:

FRANCE TELECOM
6, PLACE D'ALLERAY
PARIS, FRANCE 75015

ASSIGNEE:

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80, AVENUE DES BUTTES DE COESMES
RENNES, FRANCE 35700

ASSIGNEE:

TELEDIFFUSION DE FRANCE
10, RUE D'ORADOUR-SUR-GLANE
PARIS CEDEX, FRANCE 75732

013135/0899 PAGE 2

SERIAL NUMBER: 10088284
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-02-2002

PATENT F

CC



102176919

Attorney Docket No.
F40.12-0004

To the Honorable Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):
 (1) Jean-Francois Helard
 (2) Jean-Yves Baudais
 (3)

Additional name(s) of conveying party(ies) attached? [] Yes [] No

7.30.02

2. Name and address of receiving party(ies):

Name: France Telecom
 Street Address: 6, place d'Alleray

City Paris Country France ZIP 75015

Name: Mitsubishi Electric
 Street Address: 80, avenue des Buttes de Coesmes
 City Rennes Country France ZIP 35700

Name: Telediffusion De France
 Street Address: 10, rue d'Oradour-sur-Glane
 City Paris Cedex Country France ZIP 75732

Additional name(s) & address(es) attached?
 [] Yes [] No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement
 Change of Name Other _____

Execution Date: June 21, 2002 and June 21, 2002

4A. Application No.(s) 10/088,284

If this document is being filed together with a new application, the execution date(s) of the Declaration of the application is:
 Additional numbers attached? [] Yes [] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert M. Angus
 Street Address: Westman, Champlin & Kelly, P.A.
Suite 1600
International Centre
900 Second Avenue South
 City: Minneapolis State: MN ZIP 55402

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FC:581

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4B. Patent No.(s)

Additional numbers attached
 [] Yes [] No

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41):.....\$ 40.00

8. Method of Payment

Enclosed
 The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123.

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert M. Angus
 Name of Person Signing

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102 JUL 30 AM 10:20
FINANCE SECTION

ASSIGNMENT (INTERNATIONAL APPLICATION)

Attorney Docket No.

F40.12-0004

WHEREAS, we, Jean-Francois Helard, of 5, rue Charles Demange, 35700 Rennes France and Jean-Yves Baudais of 34, rue Vasselot, 3500 Rennes France have invented certain new and useful improvements as described in an international application entitled METHOD FOR EQUALISATION IN RECEIVERS USING A COMBINATION OF MODULATION TECHNIQUES WITH MULTIPLE CARRIERS AND MULTIPLE ACCESS BY CODE DIVISION for Letters Patent filed pursuant to the Patent Cooperation Treaty and designating the United States, the international application being identifiable in the French Receiving Office by Application No. PCT/FR00/02555, filed 14 September 2000 and/or the application in the United States being identifiable in the United States Patent and Trademark Office by Application No. 10/088,284, filed March 13, 2002; and

WHEREAS, France Telecom, a company organized and existing under the laws of France, and having offices at 6, place d'Alleray, 75015 Paris, FRANCE, Mitsubishi Electric, a company organized and existing under the laws of France, and having offices at 80, avenue des Buttes de Coesmes, Rennes, France 35700, and Telediffusion De France, a company organized and existing under the laws of France, and having offices at 10, rue d'Oradour-sur-Giane, 75732 Paris Cedex 15, France ("Assignees") are desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection of the United States, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignees, their successors and assigns, my entire right, title and interest in and to the invention, the above-identified application in the United States, and all Letters Patent or similar legal protection issuing in the United States thereon; and I authorize the Director of the United States Patent and Trademark Office to issue the Letters Patent or similar legal protection to the Assignees.

I represent to the Assignees, their successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignees, their successors and assigns, execute such additional writings and do such additional acts as the Assignees, their successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in the United States.



Jean-Francois Helard

Haron

(Witness Printed Name)



(Witness Signature)

21/06/02

(Date)

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Baudais

Jean-Yves Baudais

Hamon

(Witness Printed Name)

[Signature]

(Witness Signature)

21/06/02

(Date)

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